

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 12/06/2019 09:35 AM
Cytometer Baseline: 10/08/2019 01:46 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125549	0	2.37	125691	2.35
Blue	F	SSC	125000	125157	0	1.66	125981	1.63
Blue	E	FITC	16433	16177	-2	2.64	353	19.39
Blue	D	PE	27595	27136	-2	1.85	591	14.19
Blue	B	PerCP-Cy5-5	43183	42845	-1	3.54	1145	20.05
Blue	A	PE-Cy7	31943	32036	0	5.94	613	39.94
Red	C	APC	42819	42238	-2	2.41	1493	12.29
Red	A	APC-Cy7	31261	30213	-4	2.31	801	12.10
Violet	B	V450	6527	6297	-4	4.28	352	13.12
Violet	A	V500	24533	23549	-5	4.07	549	10.65

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17944	12.83	612	12	N/A	N/A	Pass
Blue	F	SSC	56910	1.18	554	6	N/A	N/A	Pass
Blue	E	FITC	64	62.06	540	1	0.0214	111	Pass
Blue	D	PE	123	48.23	536	2	0.1795	279	Pass
Blue	B	PerCP-Cy5-5	211	48.03	647	5	0.0093	22	Pass
Blue	A	PE-Cy7	116	96.94	695	6	0.0113	12	Pass
Red	C	APC	355	24.79	581	-2	0.0230	58	Pass
Red	A	APC-Cy7	177	28.86	560	-3	0.0054	849	Pass
Violet	B	V450	54	62.73	447	-8	0.0621	2930	Pass
Violet	A	V500	83	33.36	458	-9	0.0217	655	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.50	-32.05	1.04
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.49
Red	16.08	13.60 - 20.40	N/A	N/A	29.69	30.09	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10172

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments